

FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

04-20-06503004

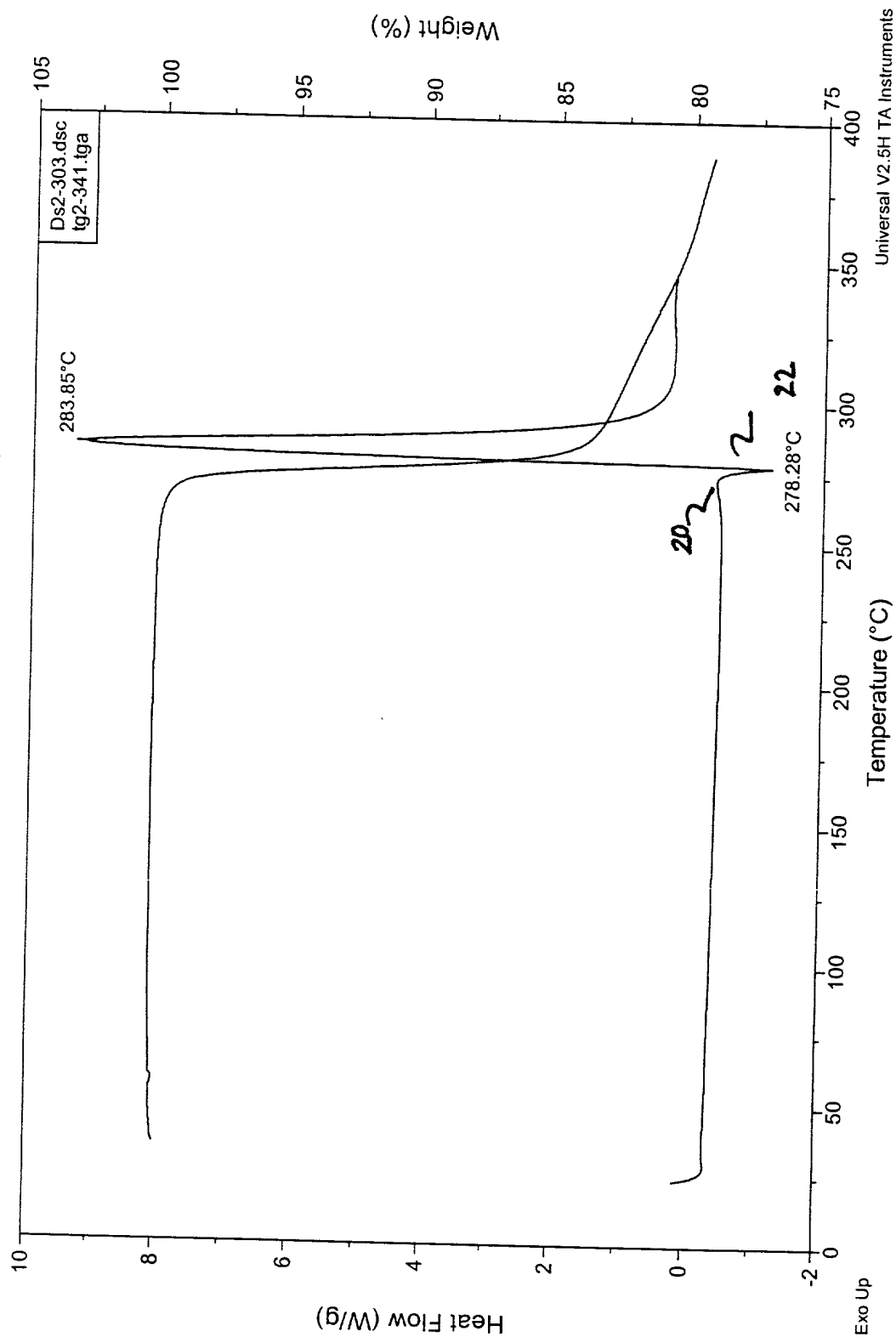


FIG. 2

20120206503007

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters
Collection time: Sat Feb 26 18:06:50 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

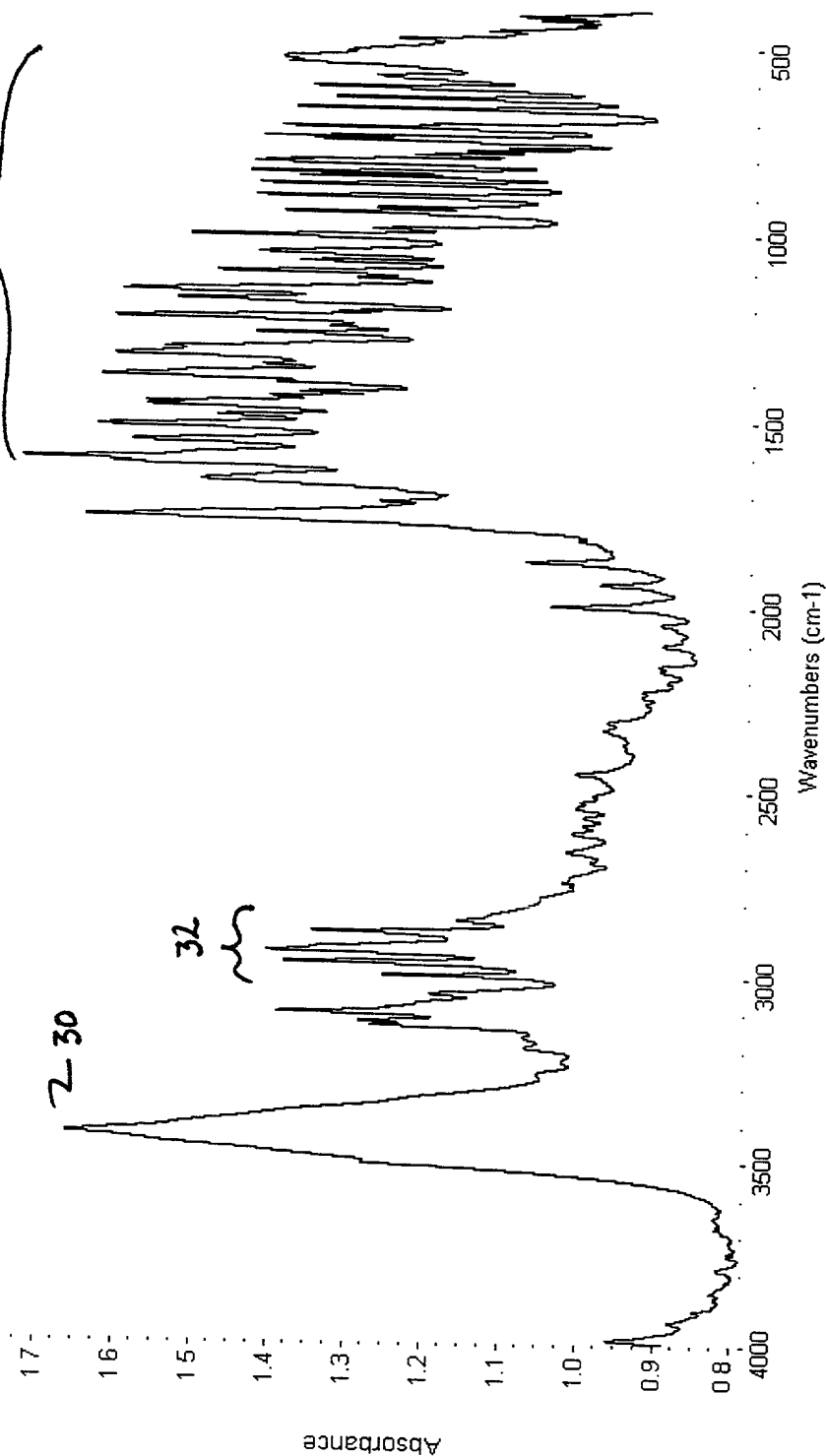


FIG. 3

201220 0850301

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

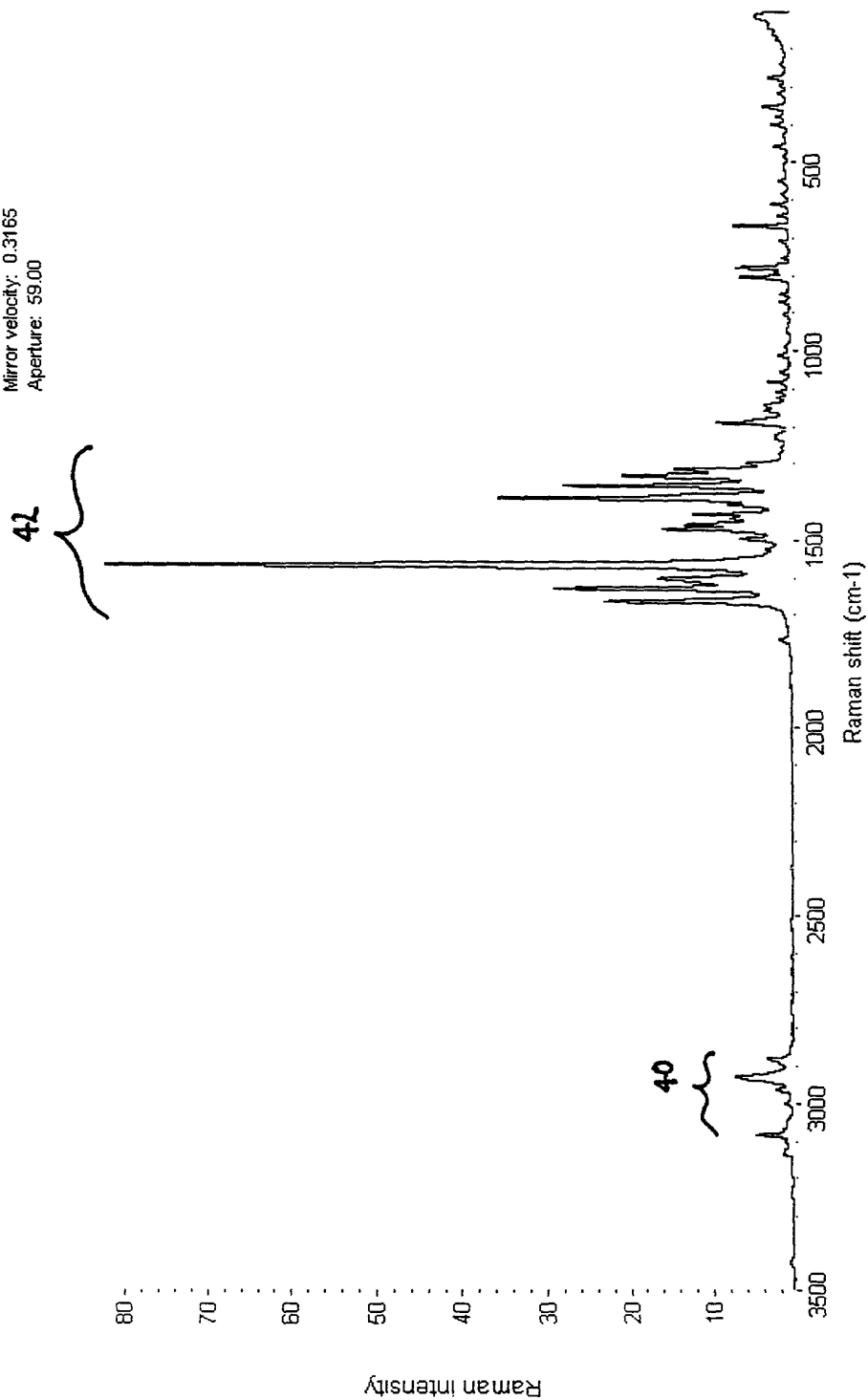


FIG. 4

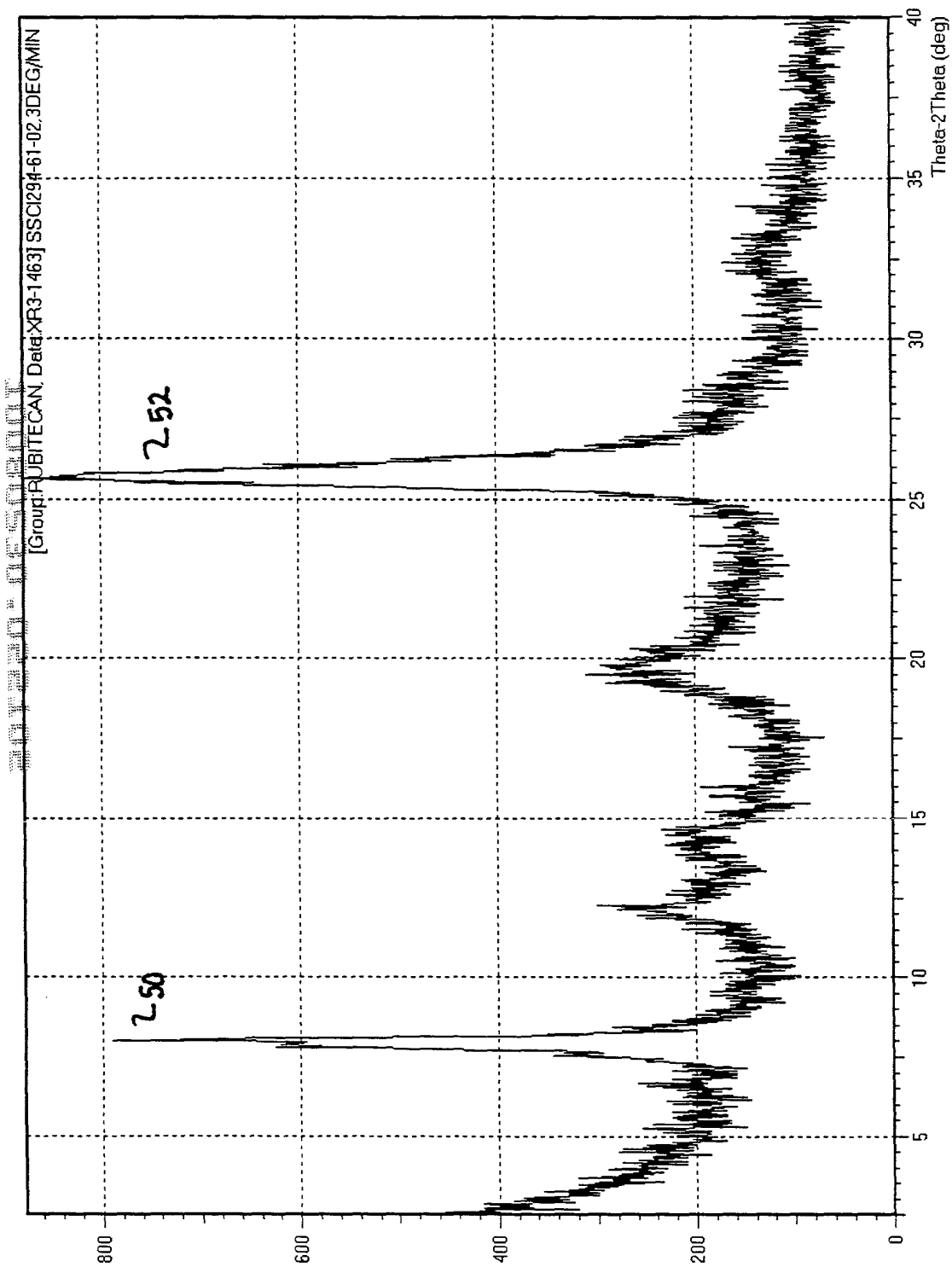


FIG. 5

DSC (bottom) and TGA (top) of Rubitecan Form B.

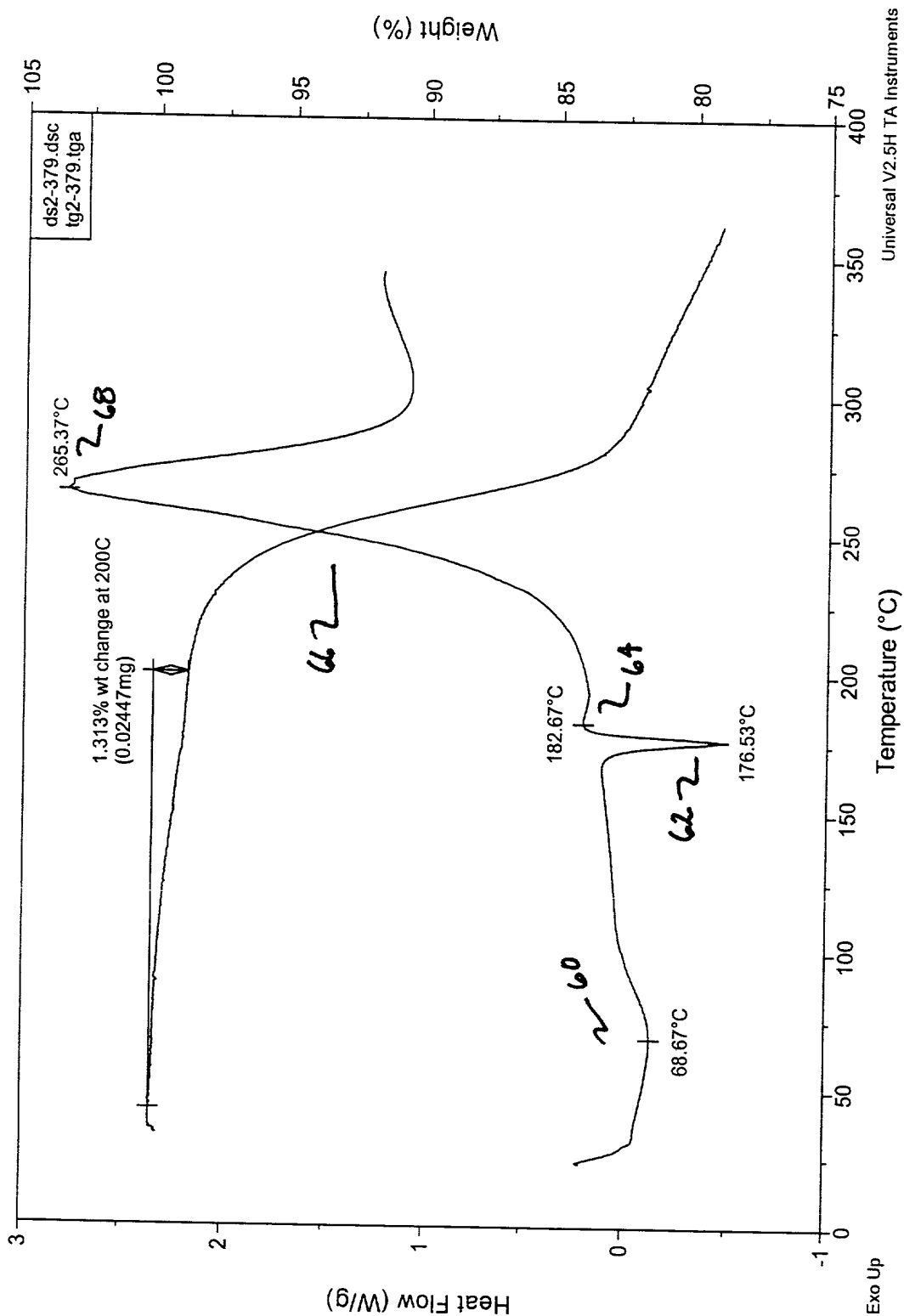


FIG. 6

2012-02-26 16:31:51

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 16:31:51 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

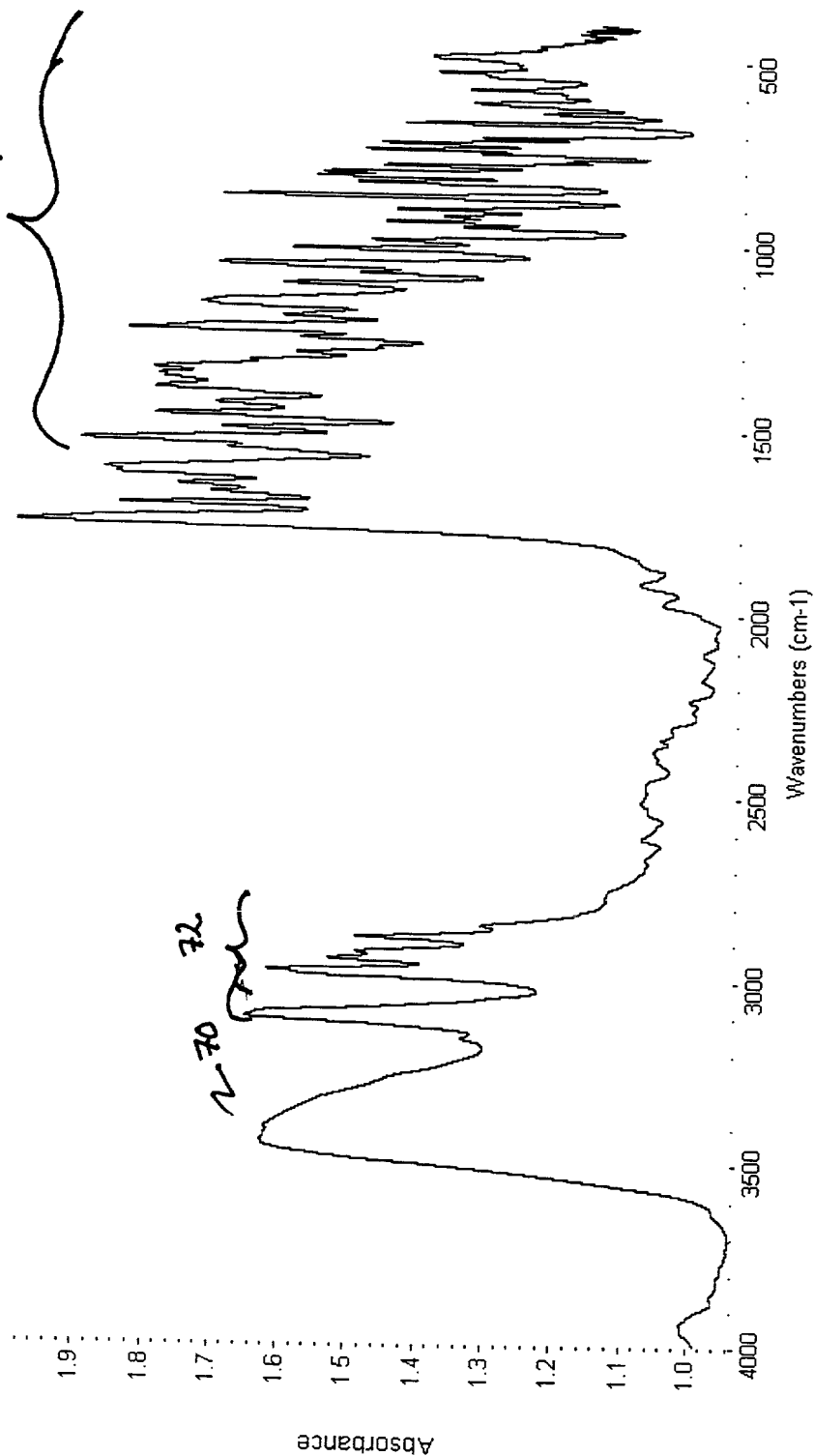


FIG. 7

004220 050300T

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

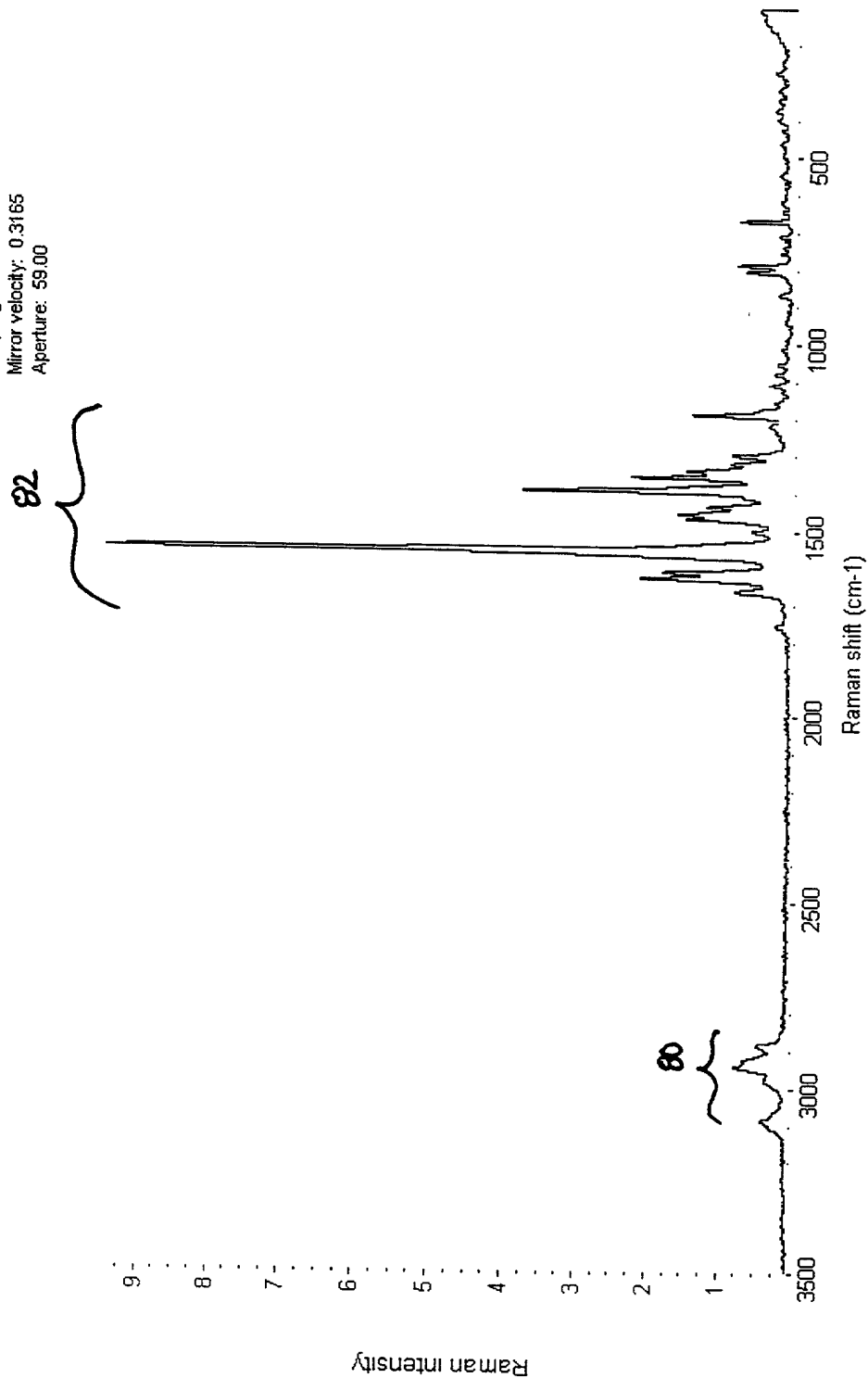


FIG. 8

201220 02503001

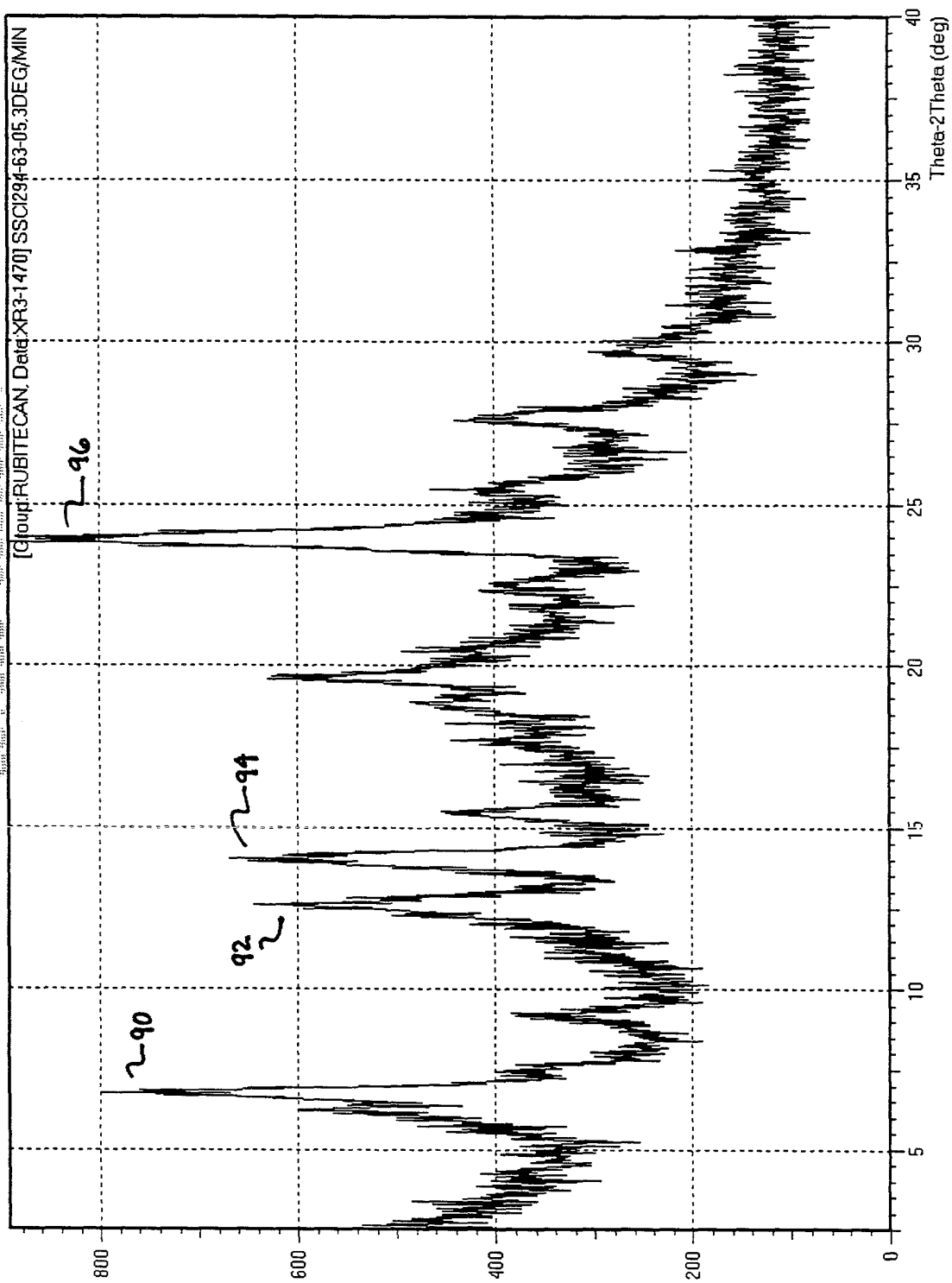


FIG. 9

DSC (bottom) and TGA (top) of Rubitecan Form C.

2014-03-20 08:53:07

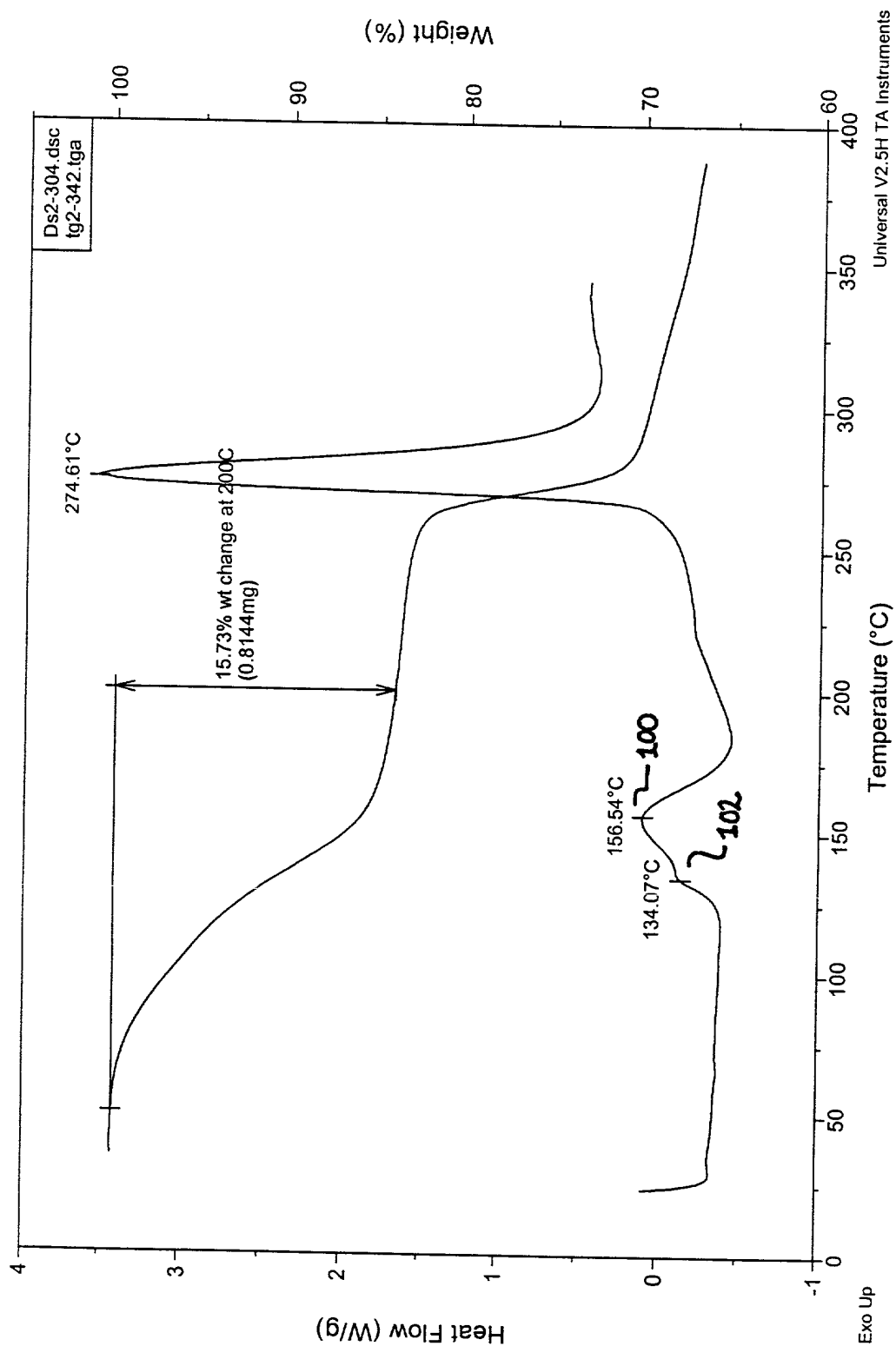


FIG. 10

201220-05508007

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

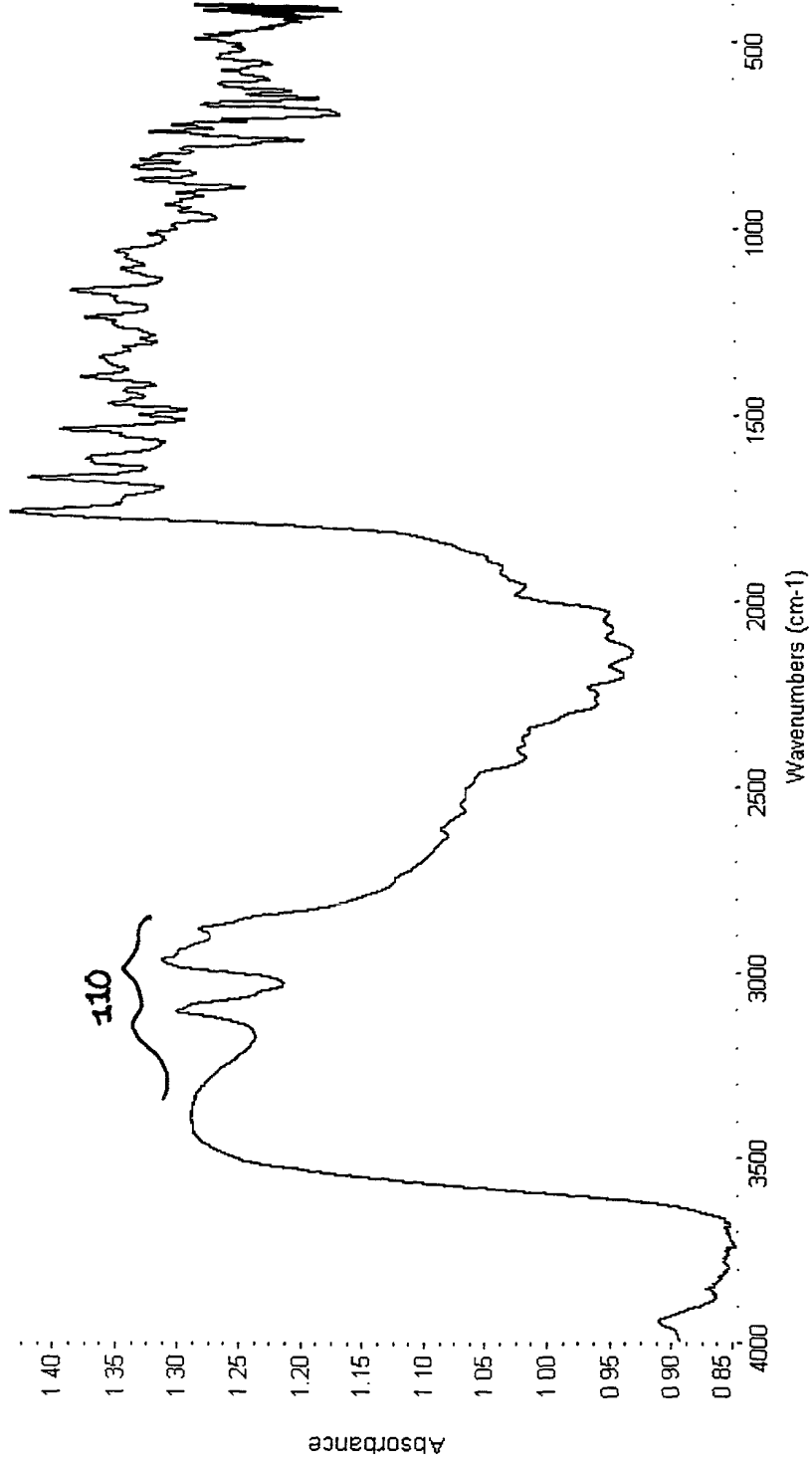


FIG. 11

20120706503001

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

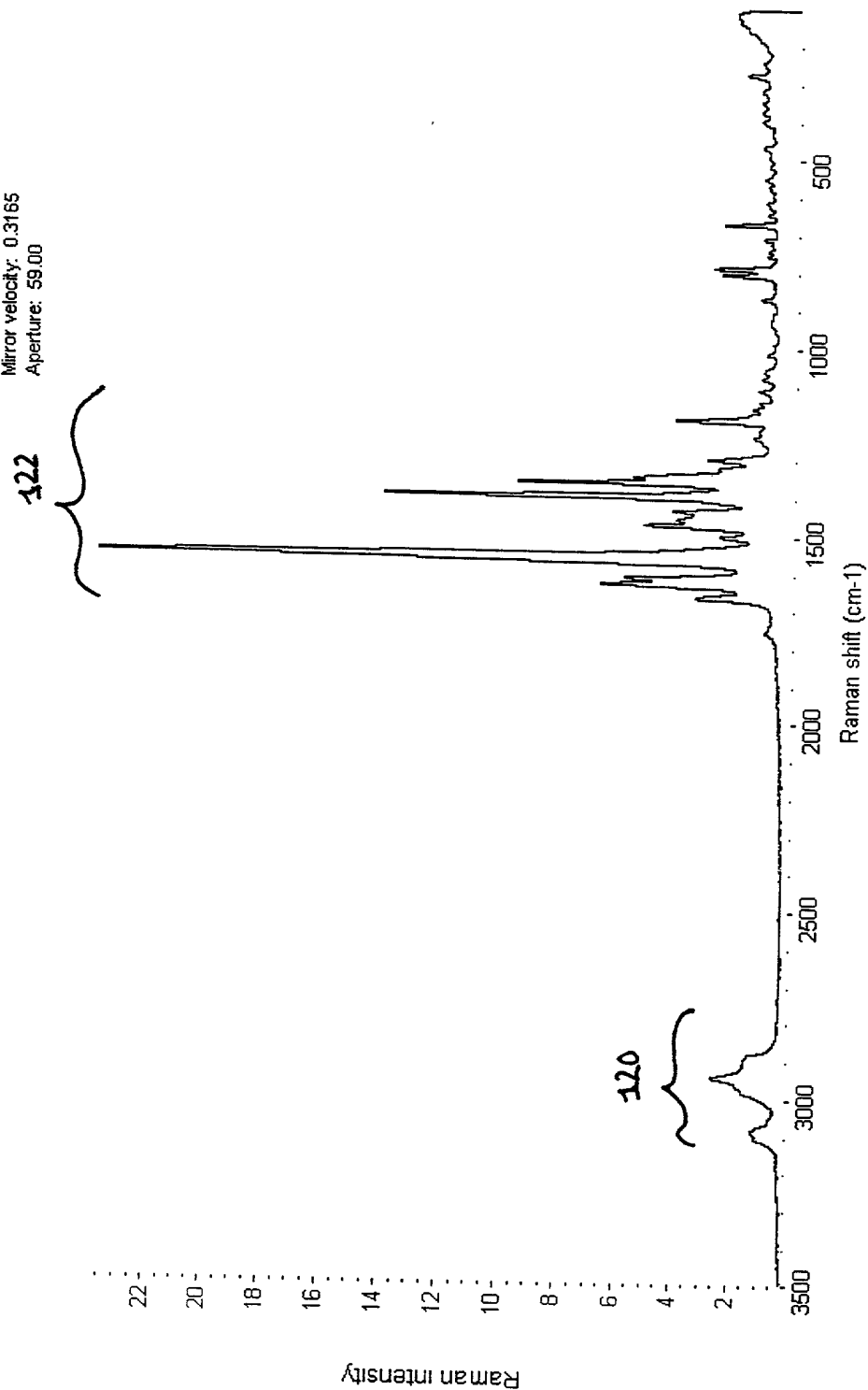


FIG. 12

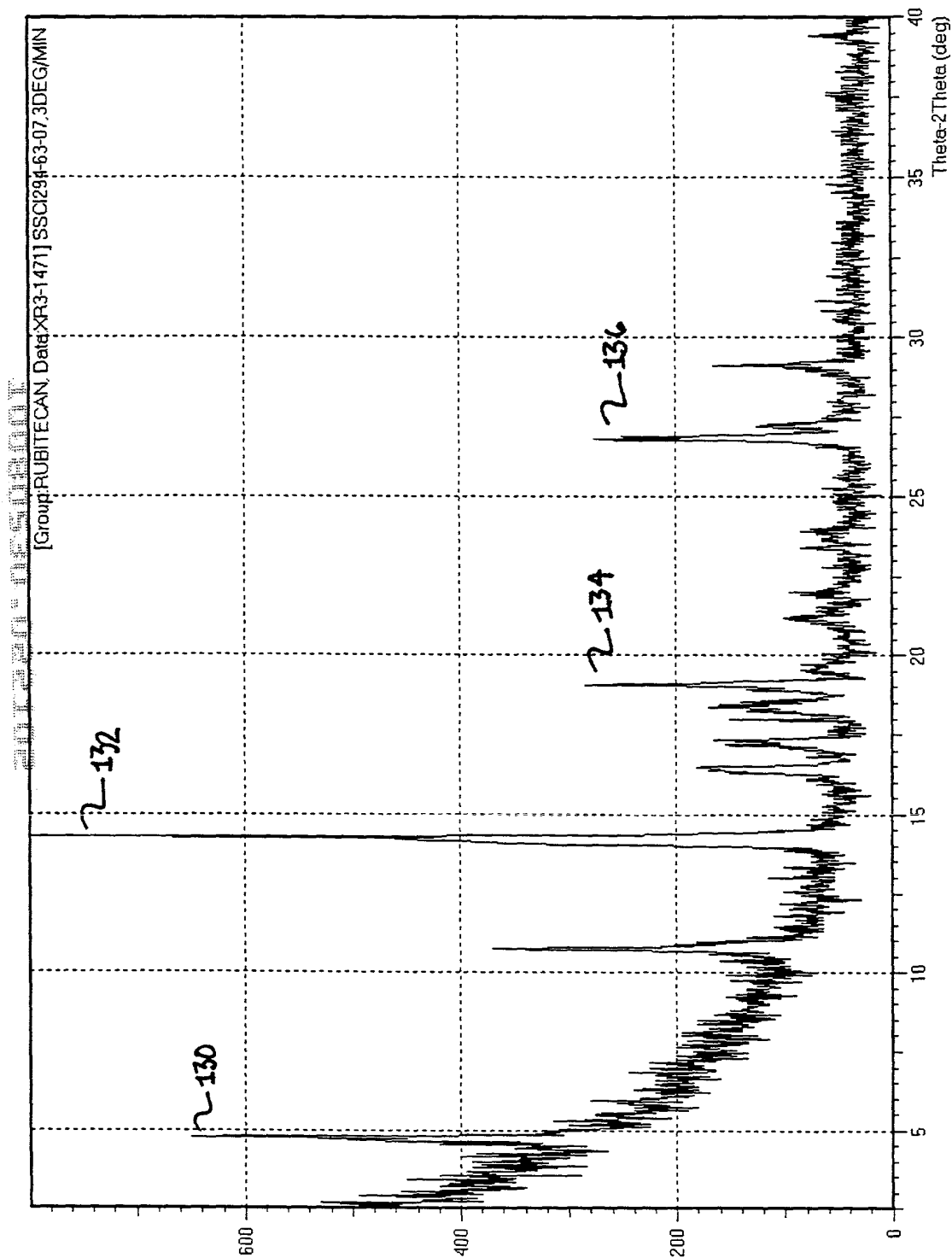


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

20120404 14:54:00

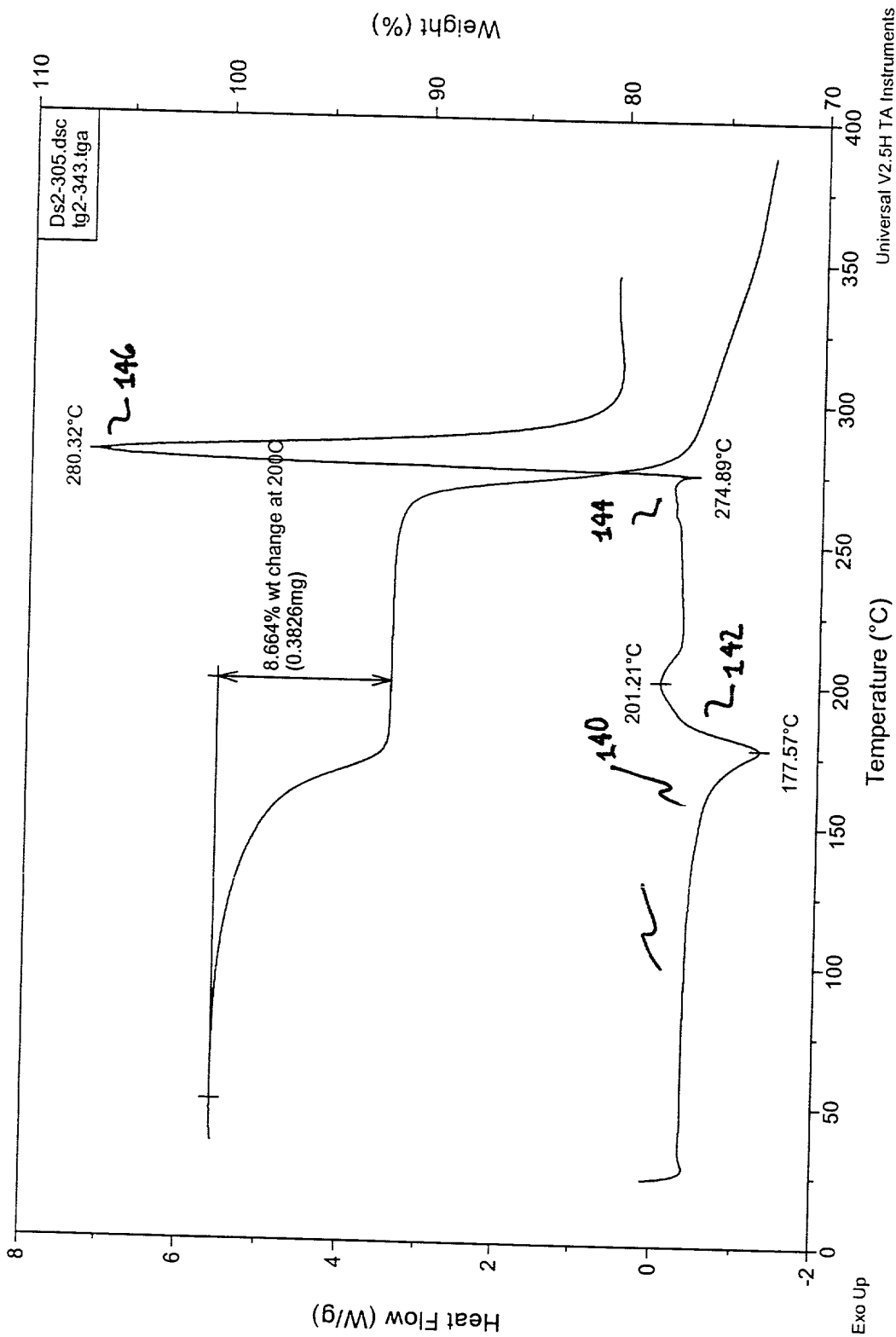


FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

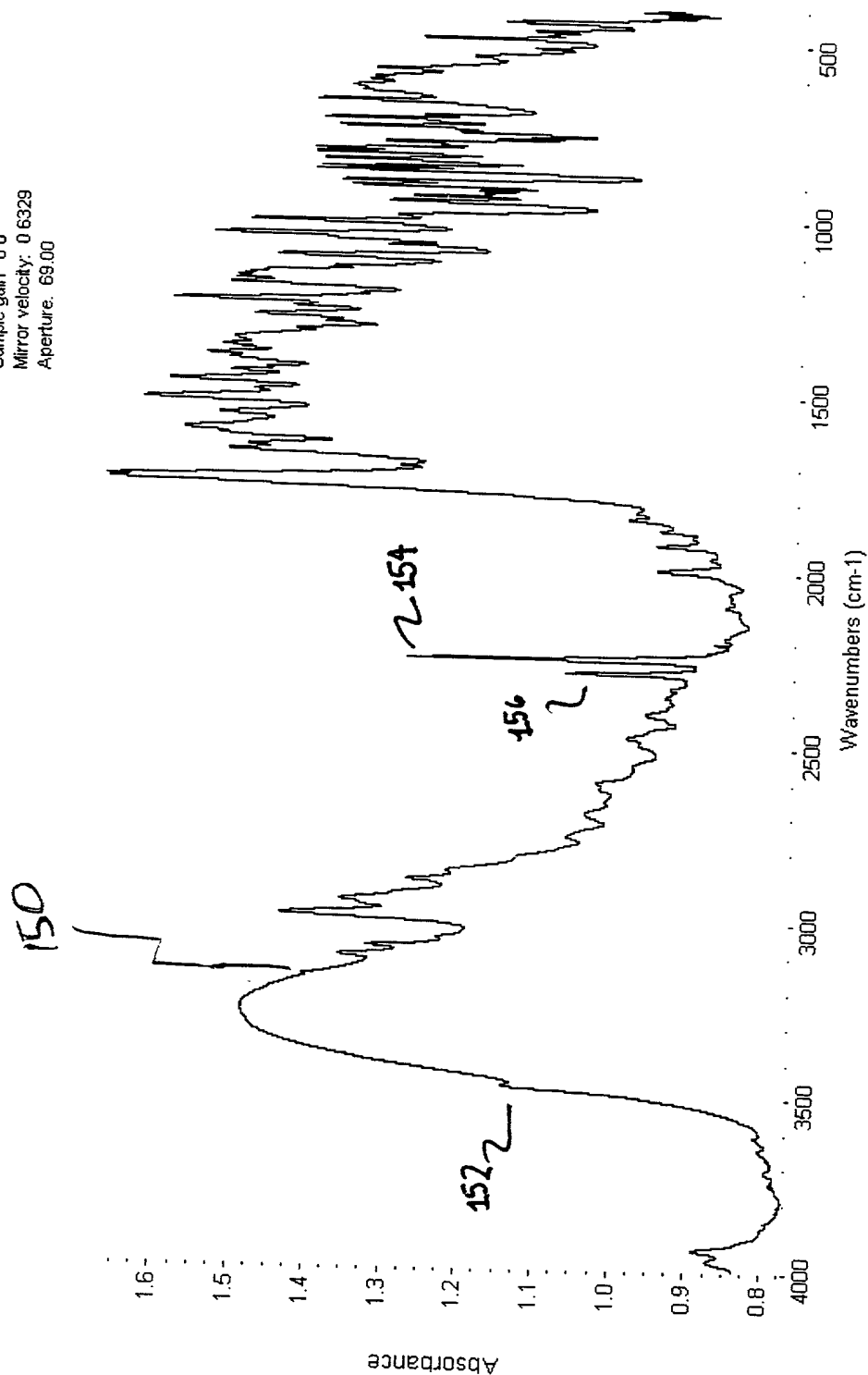


FIG. 15

[illegible]

Collection time: Sat Feb 26 20:49:39 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4,000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00



FIG. 16

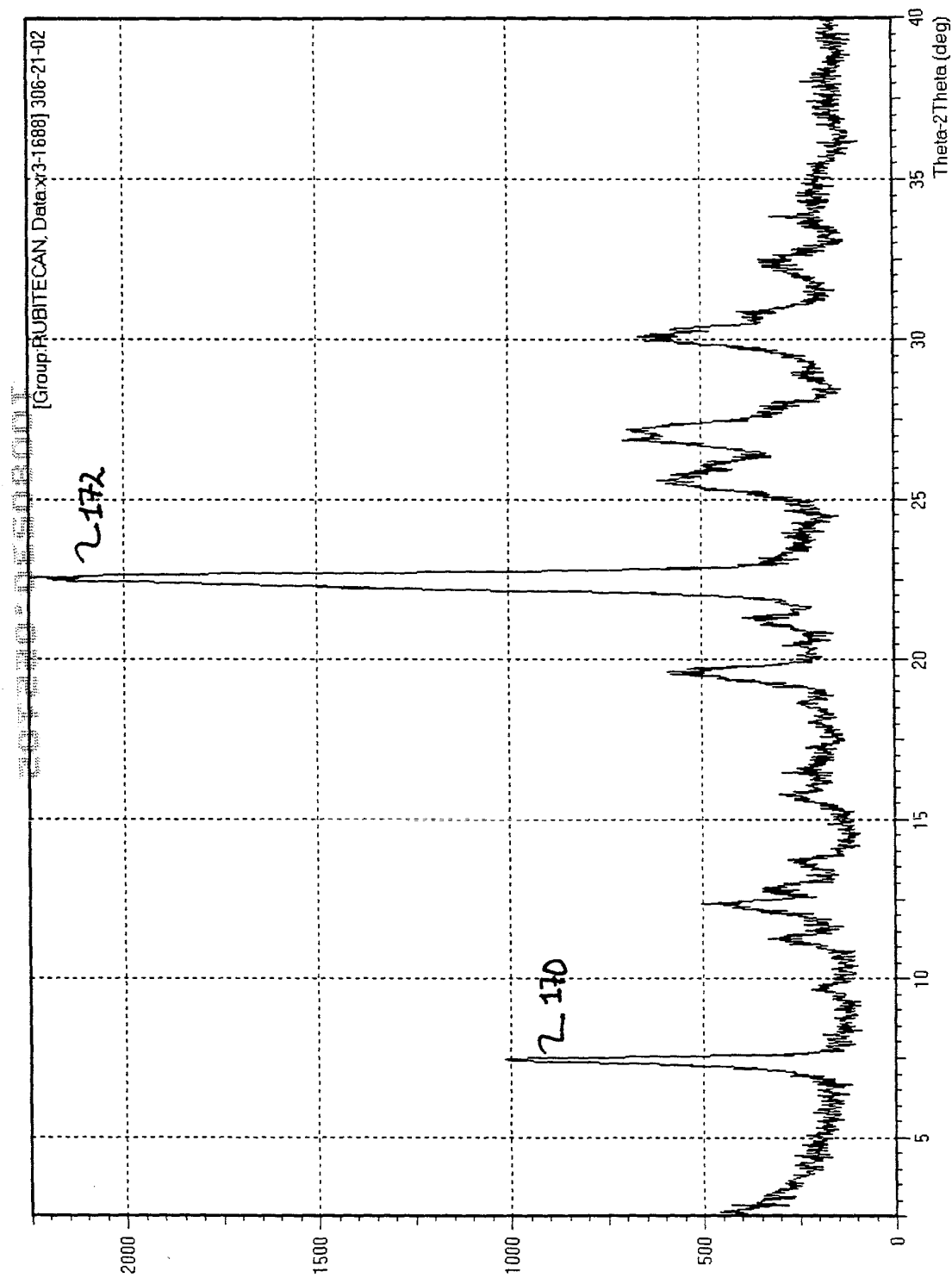


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.

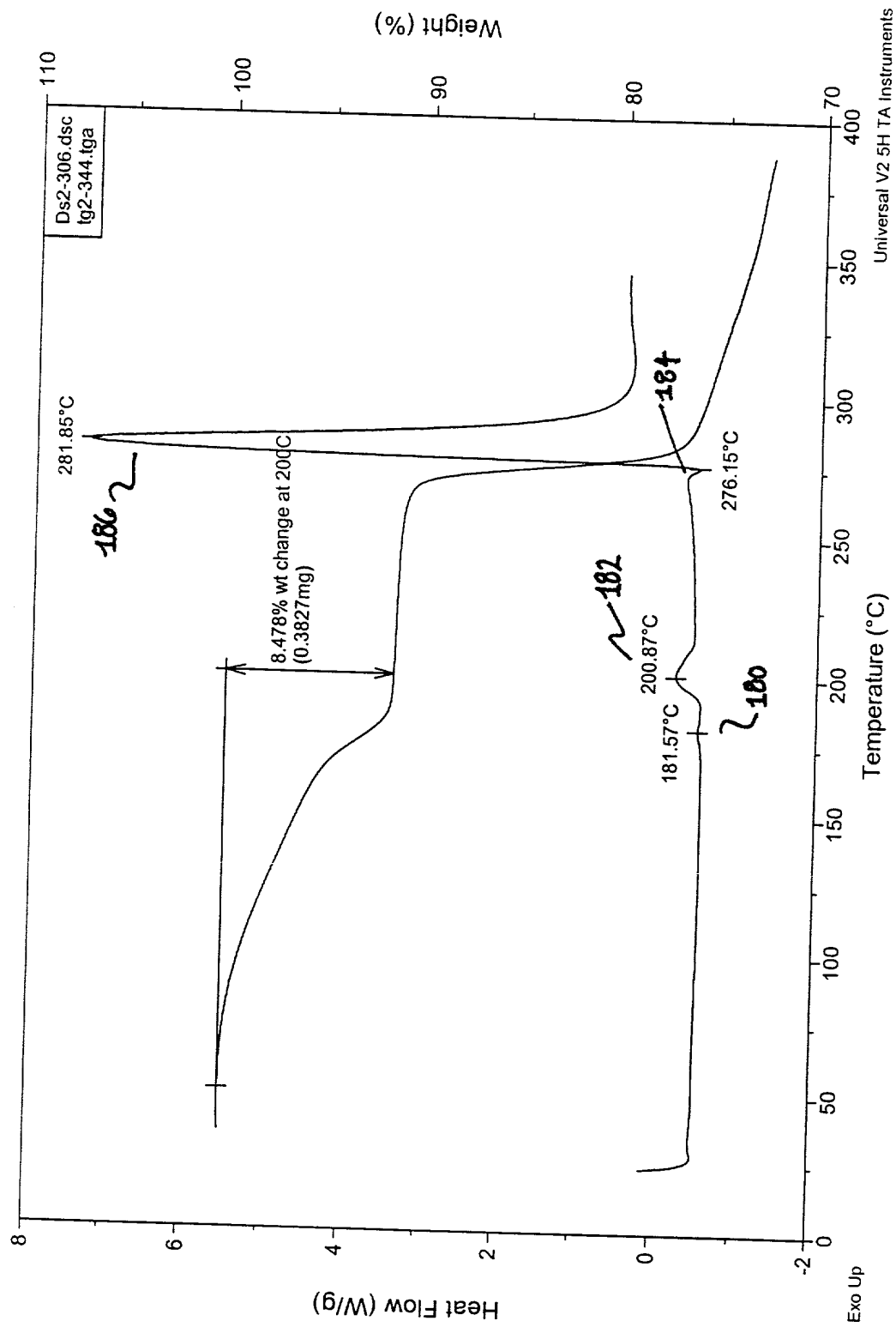


FIG. 18

20120308503001

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

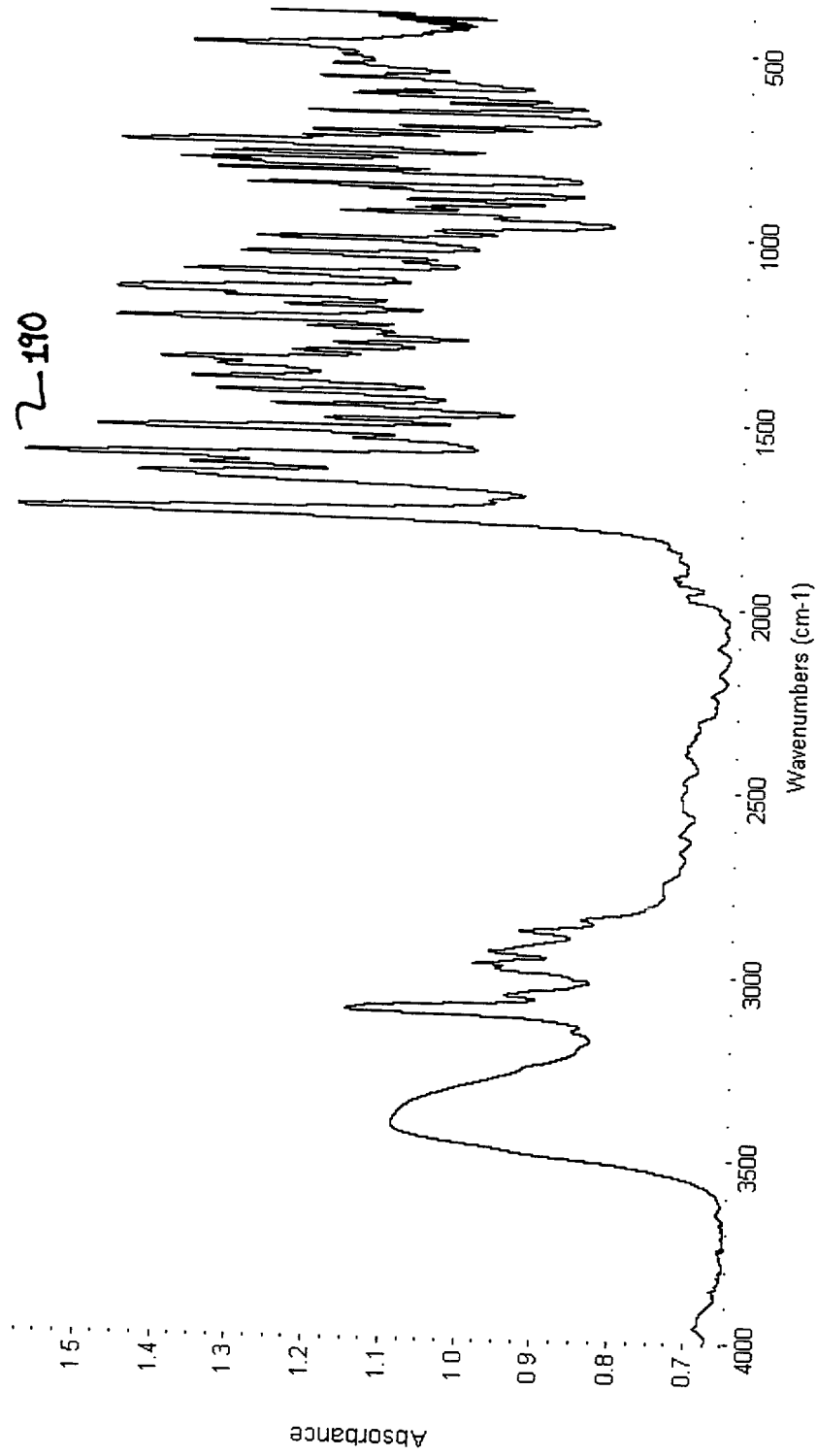


FIG. 19

20200408001

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 64.0
Mirror velocity: 0.3165
Aperture: 59.00

202

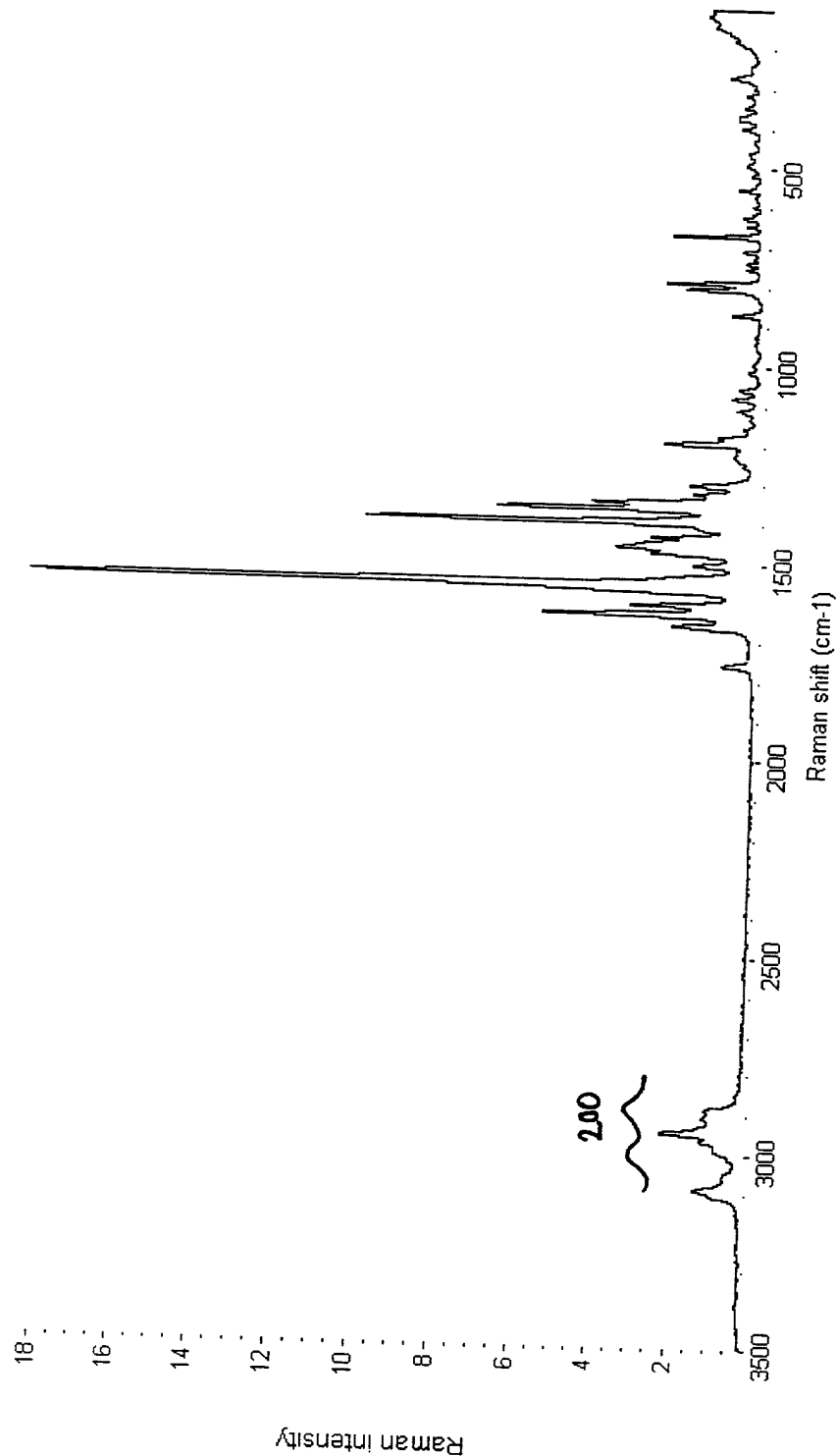


FIG. 20

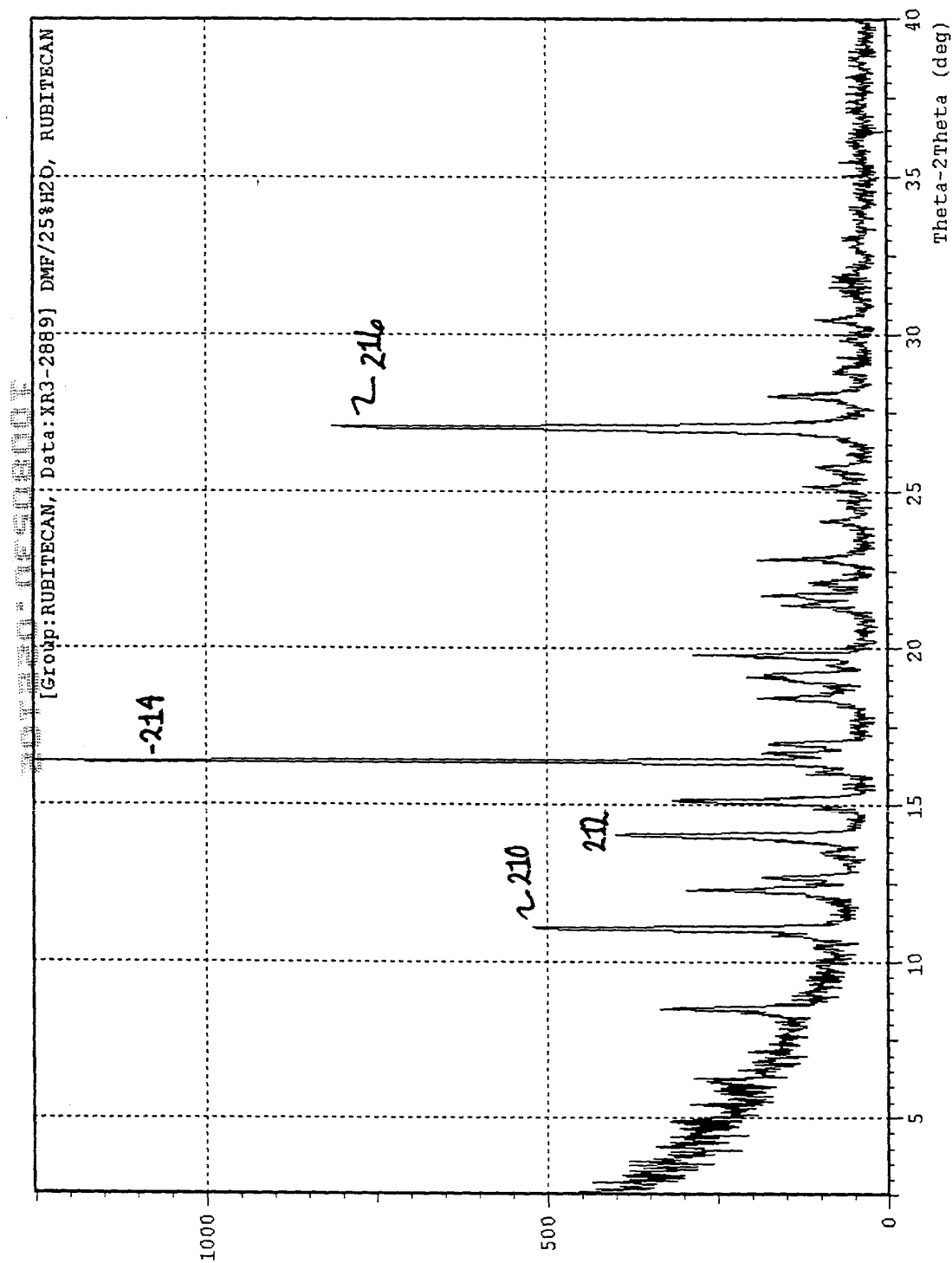


FIG. 21

TGA of Rubitecan Form F

Sample: RUBITECAN
Size: 0.6500 mg
Method: RUBITECAN
Comment: SSC# 3131902, DMF/25%H₂O, A V S C, NTBK 270-62

File: D:\dsc\gtg2-378.tga
Operator: BAC
Run Date: 4-Apr-00 10:07

TGA

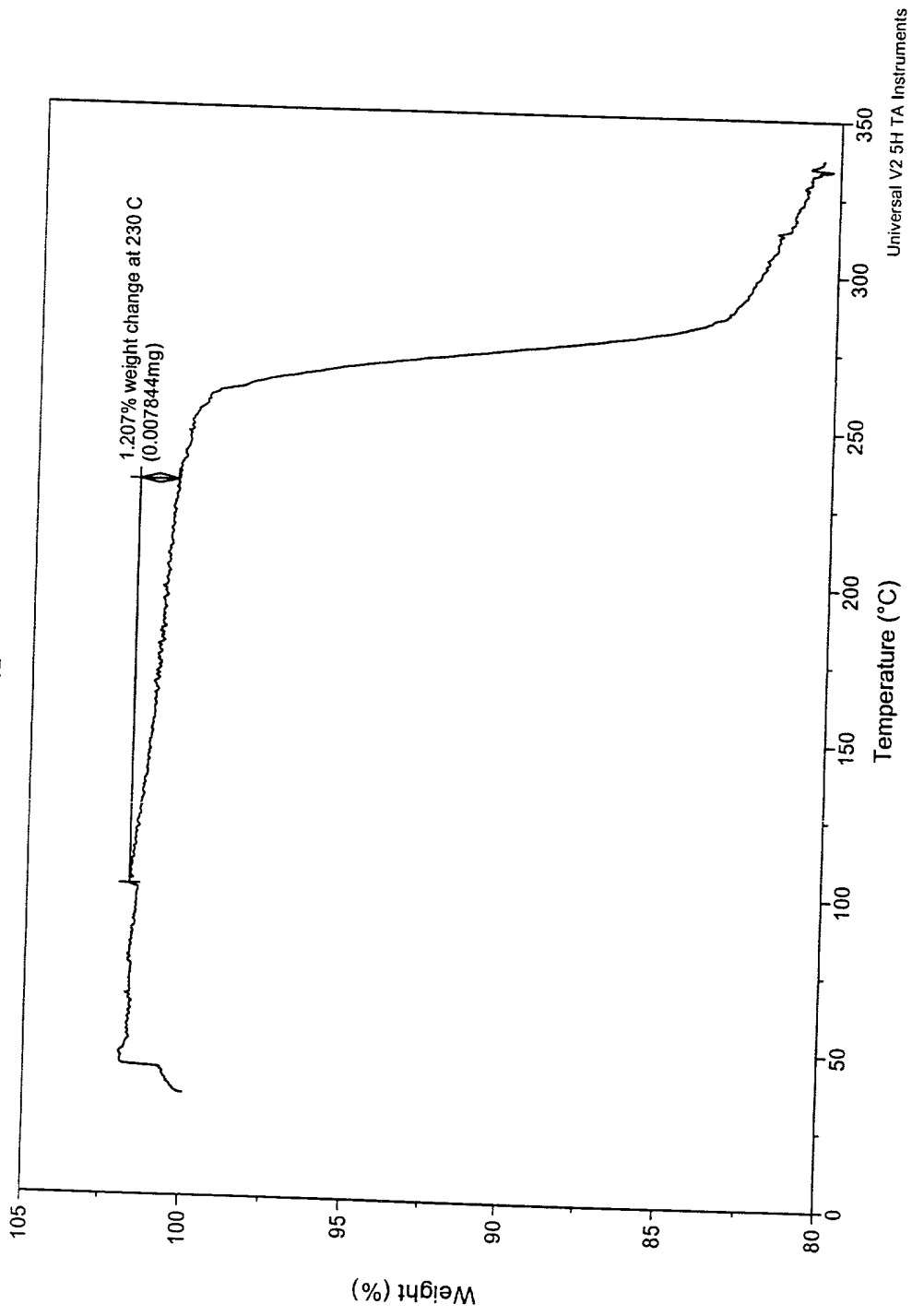


FIG. 22

2012223 065030.F

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000
Number of sample scans: 256
Number of background scans: 256
Resolution: 4.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 100.00

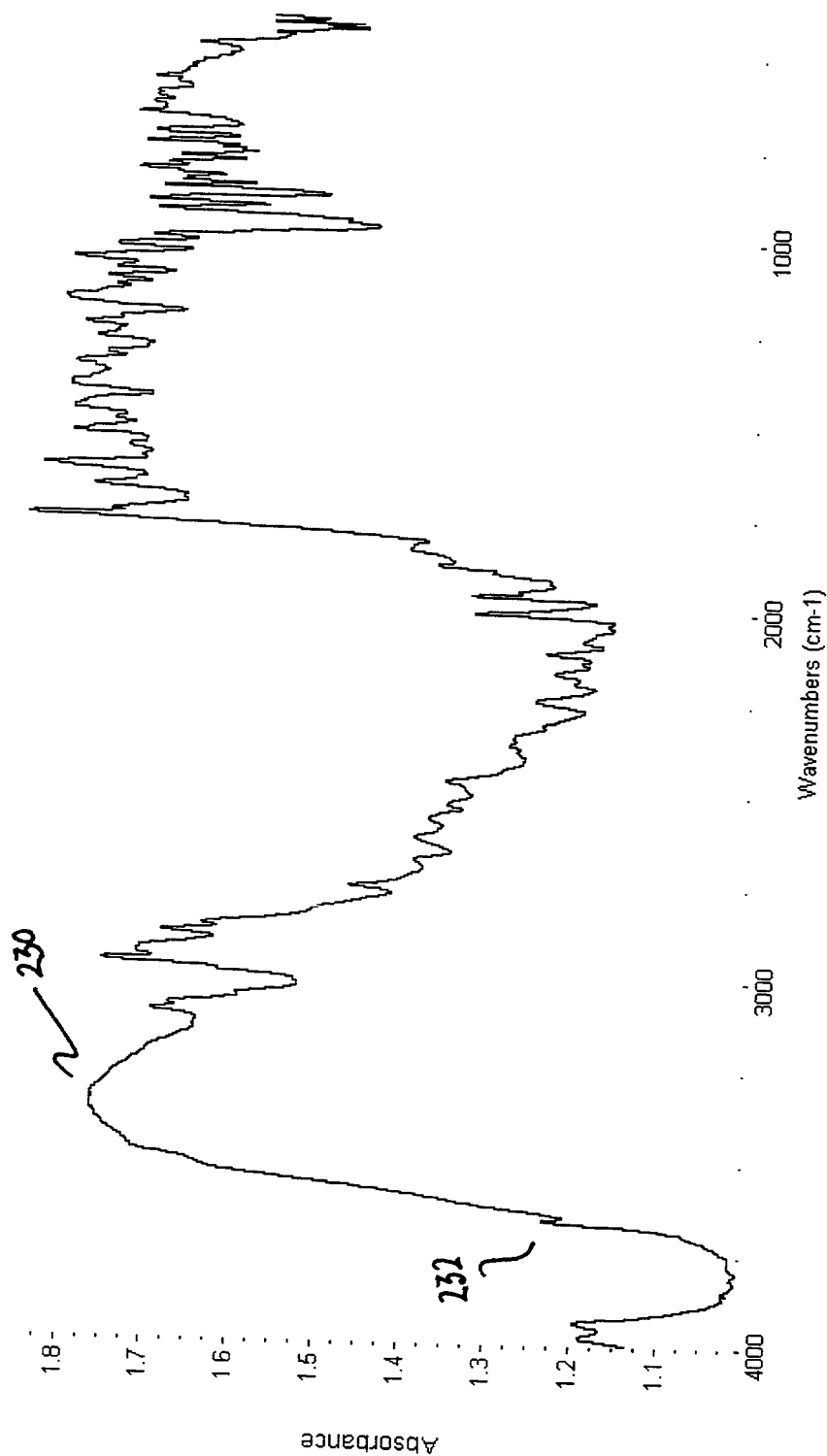


FIG. 23

2012220-06503001

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 32.0
Mirror velocity: 0.3165
Aperture: 59.00

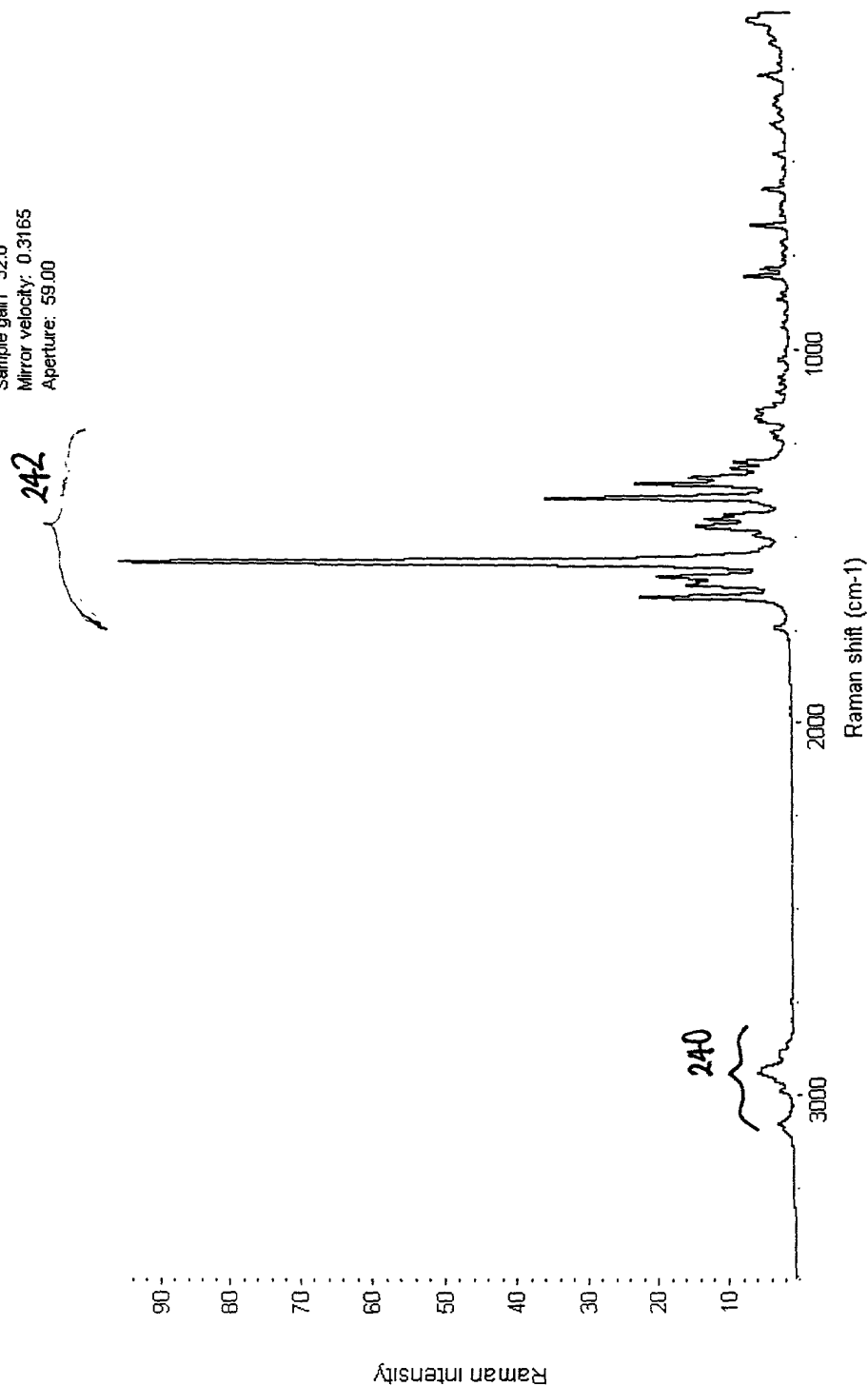


FIG. 24

2014-220-05-908001

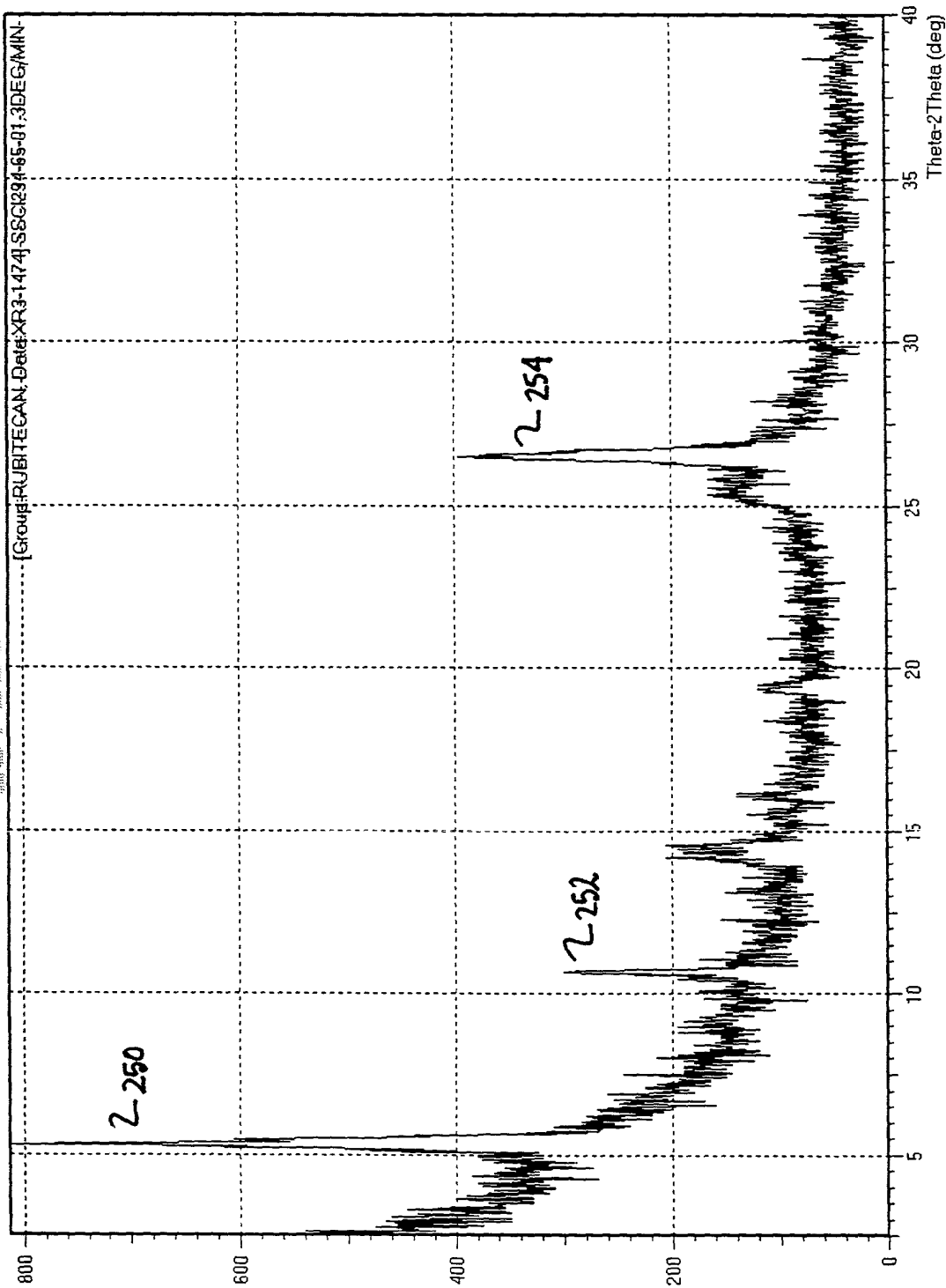


FIG. 25

DSC (bottom) and TGA (top) of Rubitecan Form G.

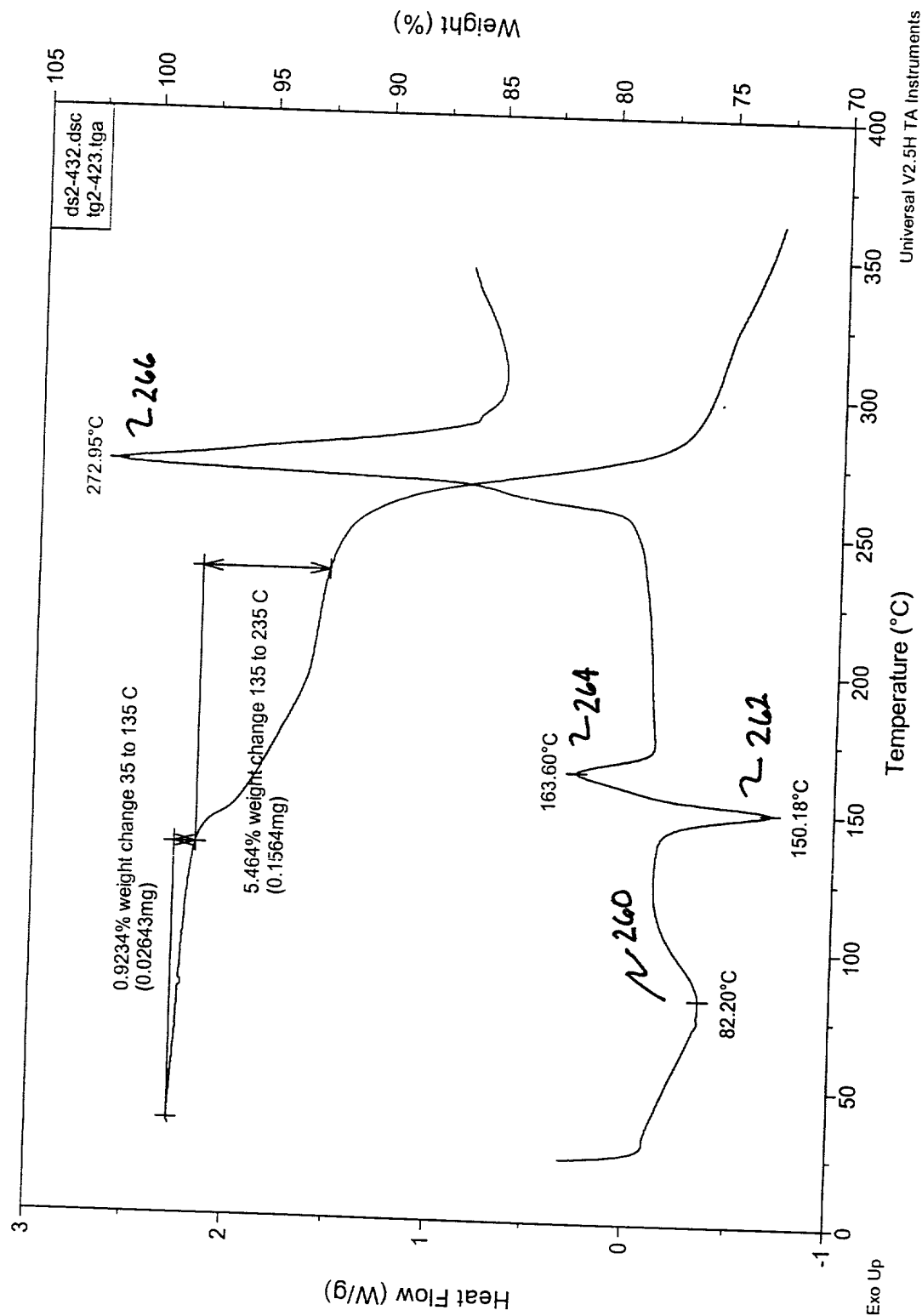


FIG. 26

004200045030304

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000
Number of sample scans: 128
Number of background scans: 128
Resolution: 2.000
Sample gain: 8.0
Mirror velocity: 0.6329
Aperture: 69.00

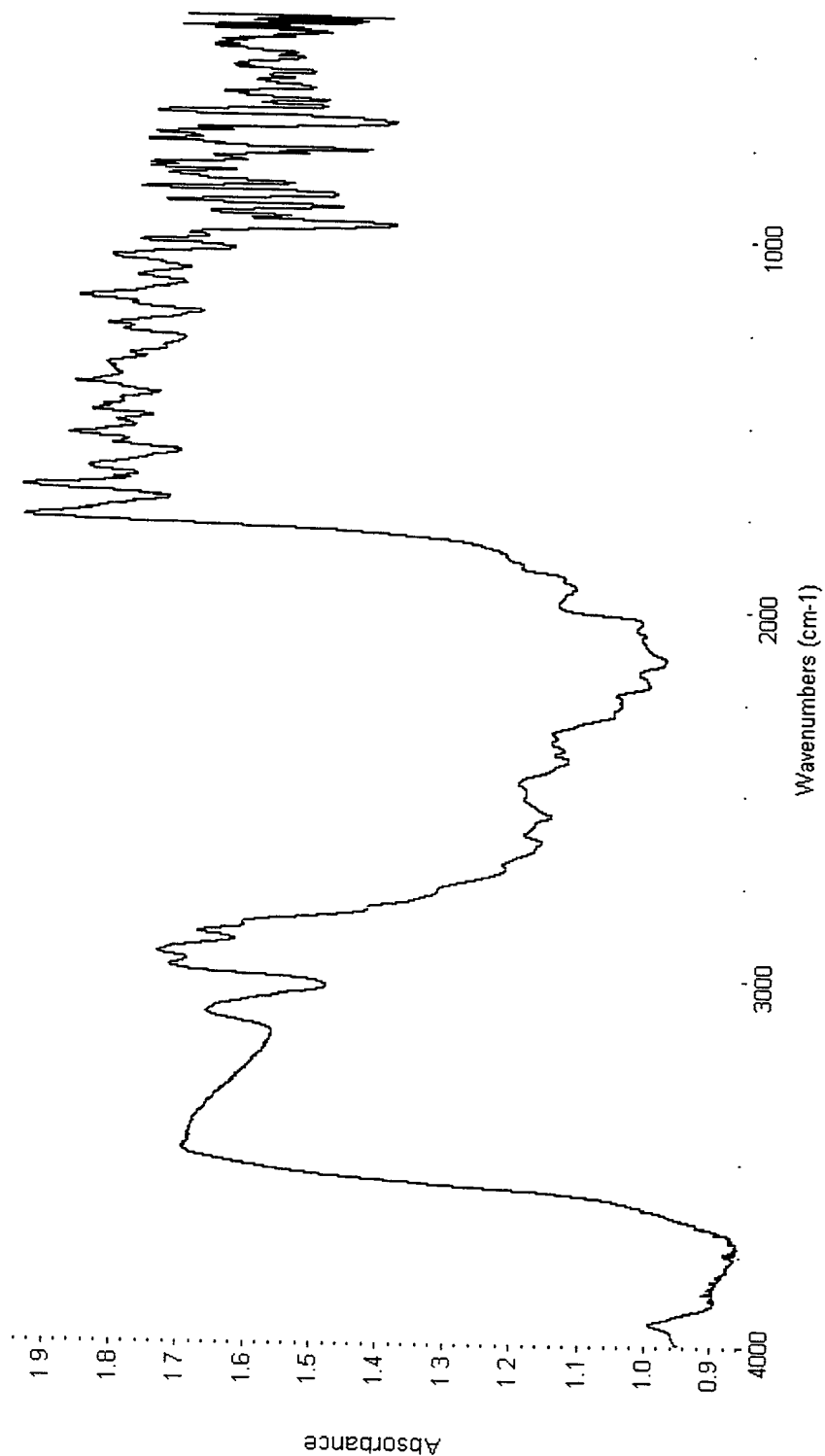


FIG. 27

2012090508001

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000
Number of sample scans: 128
Number of background scans: 0
Resolution: 4.000
Sample gain: 4.0
Mirror velocity: 0.3165
Aperture: 59.46

282

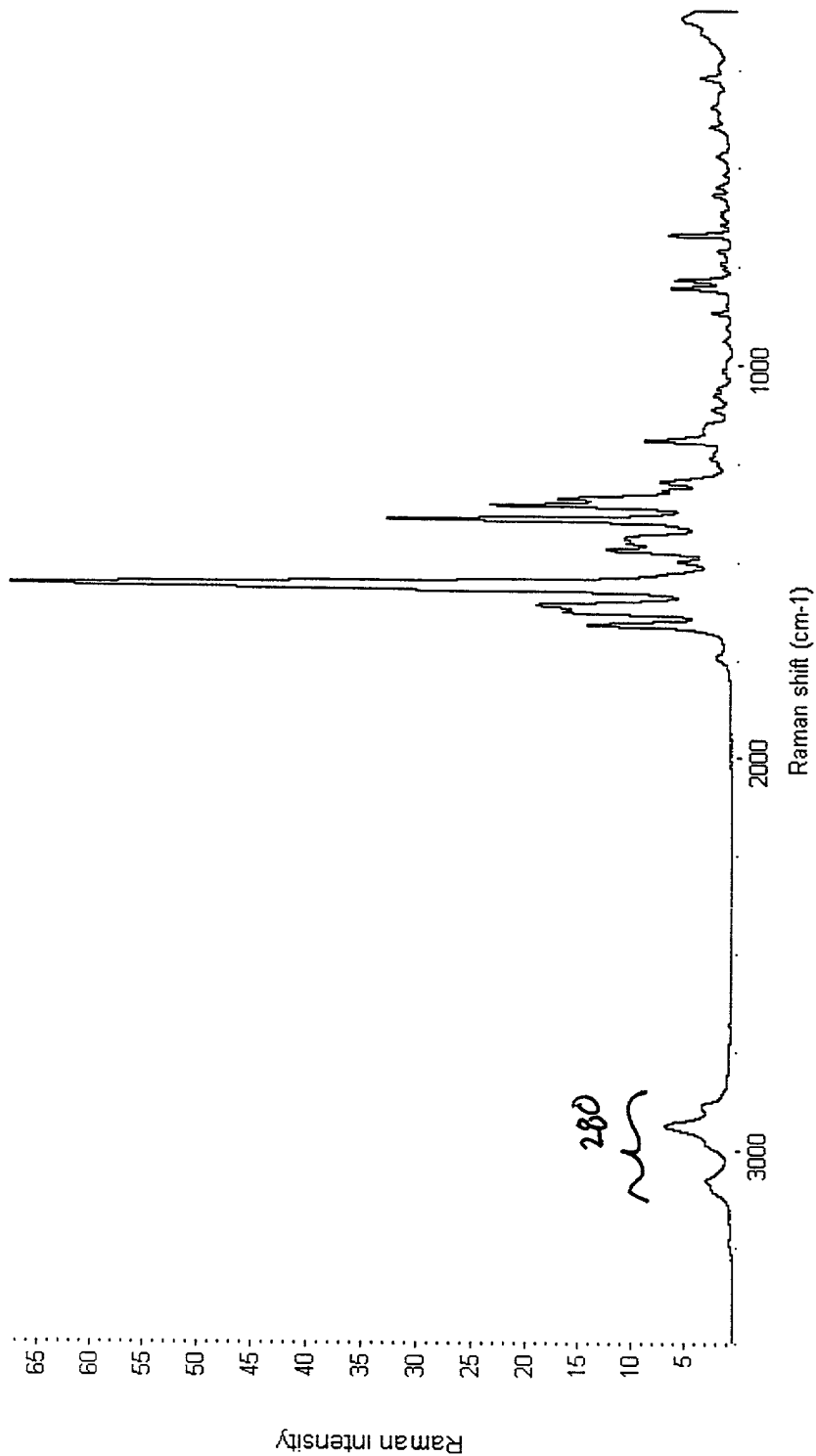


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

*** Multi Plot ***

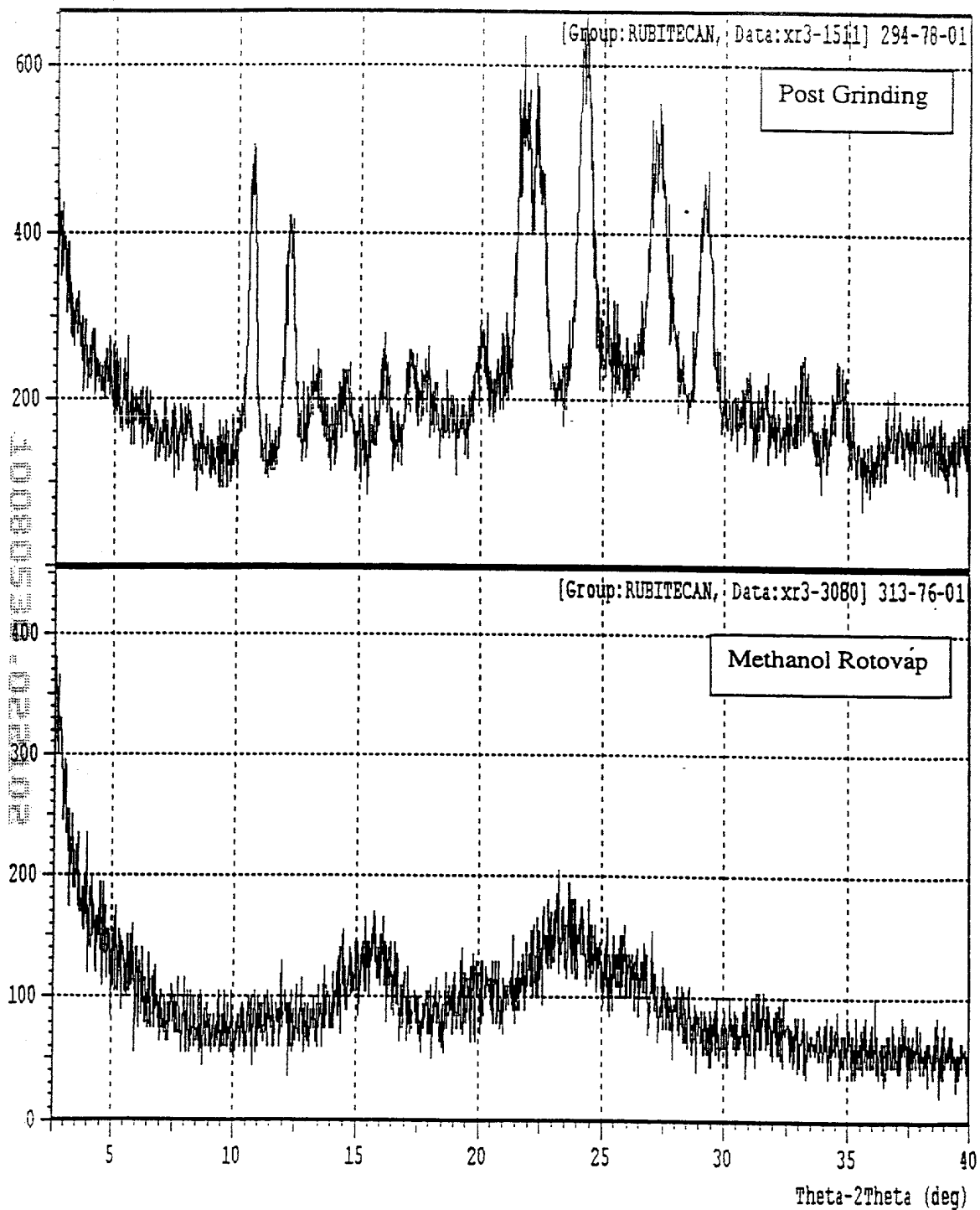


Fig. 29